

The Roadrunner high-performance computer at Los Alamos National Laboratory is now the world's fastest. The computer, developed in partnership with IBM and housed at the Laboratory, reached a petaflop of sustained performance. Roadrunner will play a key role in maintaining the U.S. nuclear deterrent, contribute to solving our global energy challenges, and open new windows of knowledge in basic scientific research fields. During the research phase, the LANL team used video-game techniques to develop the new approaches to numerical simulation to take full advantage of the leap in processing speeds provided by Roadrunner and other ultrafast computers.

Roadrunner supercomputer is fastest in world, breaks one-petaflop barrier